



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/863,181	05/23/2001	William A. Cox	CWL-101-A	9646

7590

08/20/2003

Andrew R. Baslie  
Young & Baslie, P.C.  
Suite 624  
3001 West Big Beaver Road  
Troy, MI 48084

EXAMINER

PETERSON, KENNETH E

ART UNIT

PAPER NUMBER

3724

DATE MAILED: 08/20/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/863,181

Applicant(s)

COX, WILLIAM A.

Examiner

Kenneth E Peterson

Art Unit

3724

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 07 July 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1,3-17 and 36-40 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,3-17 and 36-40 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1,3-11,13-17,36 and 40 are rejected under 35 U.S.C. 103(a) as being unpatentable over the Bernal rotary die module (reference AS from the 23 May 01 I.D.S.) in view of Bell et al. '247.

The Bernal rotary die module show has four detachable columns (1), one cover (2), two cross members (3), a base (4), a spacer (5), a lower rotary die (6), and an upper rotary die (7). Both dies have journals encased in bearing blocks (9) and have raised flanges. Bernal also shows a pressure member (8).

Bernal's cross members must have some sort of die support on them, but it is not clearly shown. Bernal's base must have some sort of die support thereon, but it also is not clearly shown. However, Bernal industries also has the patent to Bell, who shows that it is well known for the cross members to have an upper die support in the form of two circumferentially spaced rotary bearings (114), and for the base to have a lower die support (106) having rotary bearings (108). It would have been obvious to one of ordinary skill in the art to have modified Bernal's rotary die by having the cross members have an upper die support in the form of two circumferentially spaced rotary bearings, as taught by Bell, and for the base to have a lower die support having rotary bearings, as taught by Bell, in order to engage and frictionlessly press the rotary dies together. The lower die support could also be modified to have circumferentially spaced

rotary bearings, as taught by the top die support, in order to more accurately support the die.

3. Claims 12 and 37-39 are rejected under 35 U.S.C. 103(a) as being unpatentable over the Bernal rotary die module (reference AS from the 23 May 01 IDS) in view of Bell et al. '247, and further in view of Okuda et al. '240.


Bernal's rotary die module, as modified, has columns that are non-cylindrical. However, Okuda shows that it is well known for rotary dies (8a and 8b) to be vertically adjustable on columns that are cylindrical and of uniform cross-section (13). It would have been obvious to one of ordinary skill in the art for Bernal to have employed cylindrical columns, as taught by Okuda, since they are art recognized equivalents (see MPEP 2144.06).

4. Applicant's affidavit and arguments with respect to the claims have been considered but are moot in view of the new grounds of rejection.

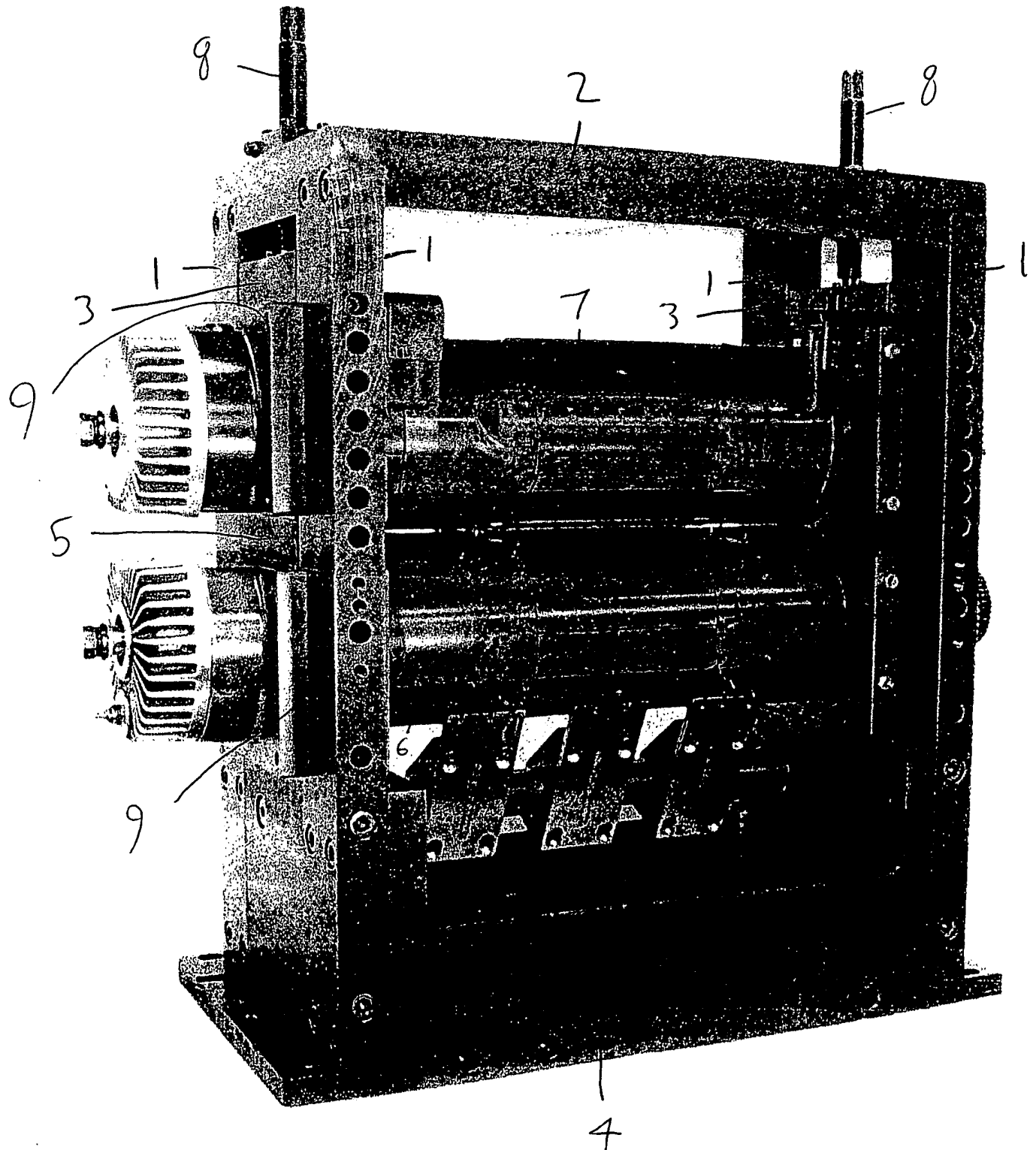
5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ken Peterson whose telephone number is 703-308-2186. The examiner can normally be reached on Monday thru Thursday between 7am and 4pm. If attempts to reach the examiner are unsuccessful, the examiner's supervisor, Allan Shoap can be reached on 703-308-1082.

In lieu of mailing, it is encouraged that all formal responses be faxed to 703-872-9302. Any inquiry of a general nature or relating to the status of this application should be directed to the receptionist whose telephone number is 703-308-1148.

kp  
August 14, 2003

  
KENNETH E. PETERSON  
PRIMARY EXAMINER

BEST AVAILABLE COPY



REF. AS